

IN THE CLAIMS

Please cancel claims 1, 3-9 and 12 without prejudice or disclaimer of their subject matter, amend claims 2, 10 and 11, and add new claims 13-16, as follows:

Claim 1. (Canceled)

1 2. (Currently Amended) The system according to claim [[1]] 13, wherein the
2 link between the private EV-DO network and the public EV-DO network comprises an
3 A14 interface.

Claims 3-9. (Canceled)

1 10. (Currently Amended) The method according to claim [[9]] 15, wherein the
2 public network data location register (DLR) ~~is adapted to store~~ stores location
3 information and authentication information of either private or public network EV-DO
4 terminals and ~~to provide~~ provides information needed for call processing upon a call
5 connection from an arbitrary EV-DO terminal being established.

1 11. (Currently Amended) The method according to claim [[9]] 15, wherein the
2 public network data location register (DLR) ~~is adapted to perform~~ performs at least one of
3 a session creation and release function, a UATI allocation and deletion function, a self
4 database holding function, a session maintenance confirming function, a paging
5 command transmission function, and an interfacing function with a neighboring data
6 location register (DLR).

Claim 12. (Canceled)

1 13. (New) A system comprising:

2 a public EV-DO wireless network having a public network data location register
3 (DLR) and a public network access network control (ANC);

4 a private EV-DO wireless network interfacing with the public EV-DO wireless
5 network and providing private EV-DO wireless data service, the private EV-DO wireless
6 network comprising:

7 a pANC connected to the public network ANC for providing a link between the
8 private EV-DO network and the public EV-DO network, parsing a received call
9 connection request message to route the call connection request message to the public
10 EV-DO network or the private EV-DO network when the call connection request message
11 is received from a terminal, receiving session information of a private EV-DO terminal
12 from the public network DLR connected via a dedicated line, and allocating a traffic
13 channel and setting an SVC for private network access or Internet access based on the
14 received session information when the received call connection request message is for
15 private network access; and

16 a pAN_AAA for receiving session information for any private EV-DO terminal
17 from the public network DLR via the pANC, and authenticating the terminal based on
18 authentication information contained in the session information.

1 14. (New) The system of claim 13, wherein the pANC determines whether the
2 call connection request message received from the private EV-DO terminal is for public
3 network access or for private network access based on an identifier contained in the call
4 connection request message, and routing the received call connection request message to
5 an ANC of the public EV-DO network when the received call connection request message
6 is for a public network access and routing the received call connection request message so

7 that a call is processed in the private EV-DO network when the received call connection
8 request message is for private network access.

1 15. (New) A method comprising:
2 providing a public EV-DO wireless network including a public network data
3 location register (DLR) and a public network access network control (ANC);
4 interfacing a private EV-DO wireless network with the public EV-DO wireless
5 network;
6 upon receiving a call connection request message from a terminal, parsing the
7 received call
8 connection request message to route the message to the public EV-DO network or the
9 private EV-DO network;
10 when the call connection request message is for private network access, requesting
11 the public network DLR connected via a dedicated line to provide session information of
12 a private EV-DO terminal;
13 authenticating the terminal based on authentication information contained in the
14 session information received from the public network DLR; and
15 after authenticating the terminal in the private EV-DO network, performing call
16 processing in the private EV-DO network based on the session information.

1 16. (New) The method of claim 15, wherein parsing the received call connection
2 request message to route the message to a public EV-DO network or a private EV-DO
3 network comprises determining whether the call connection request message received
4 from the private EV-DO terminal is for public network access or for private network
5 access based on an identifier contained in the call connection request message, and
6 routing the call connection request message to an ANC of the public EV-DO network
7 when the call connection request message is for public network access and routing the

8 call connection request message so that a call is processed in the private EV-DO network
9 when the call connection request message is for private network access.